DERWENT-ACC-NO: 2003-118339

DERWENT-WEEK: 200311

TITLE: Structure of preventing vibration of tray in disk drive

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PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

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PATENT-FAMILY:

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KR 2002067360 A	August 22, 2002	N/A	001	G11B 033/08

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2002067360A	N/A	2001KR-0007891	February 16, 2001

INT-CL (IPC): G11B033/08

ABSTRACTED-PUB-NO: KR2002067360A

BASIC-ABSTRACT:

NOVELTY - A structure of preventing the vibration of a tray in a disk drive is provided to recover a gap between a tray and an upper chassis, so as to effectively prevent the vibration of the tray generated while operating the disk drive and smoothly perform entrance and ejection operations of the tray.

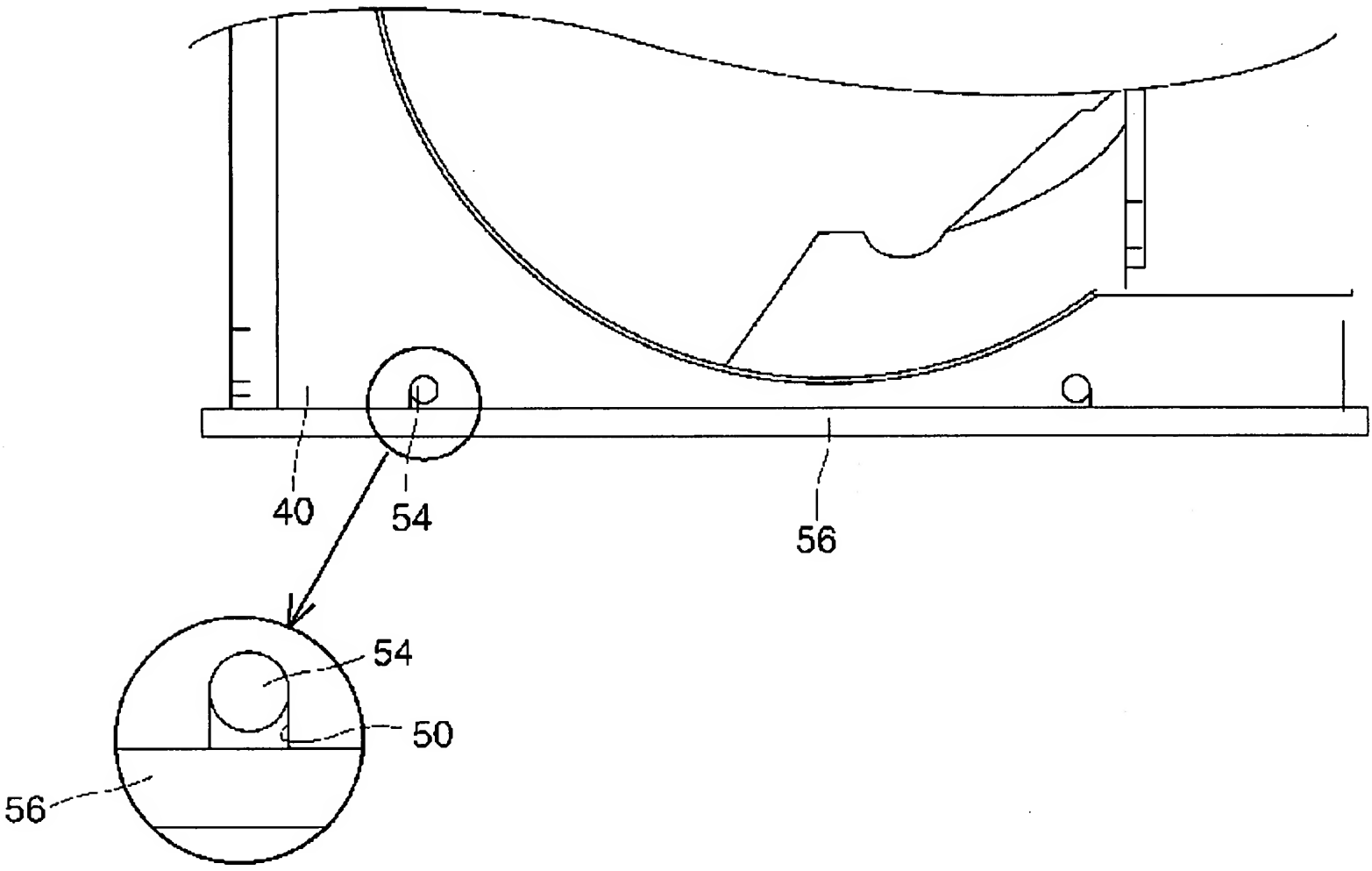
DETAILED DESCRIPTION - A chassis configures an external view. A tray(40) movable to the internal and external of the chassis loads a disk thereon and moves the disk. A spacer unit installed in one side of the tray maintains a gap between the tray and the chassis with elasticity of a coil spring. In the spacer unit, the coil spring is installed inside a guide groove(50) formed to be open toward an upper surface of the tray. And a projection ball(54) accepted within the guide groove is projected to the external of the guide groove with the elasticity of the coil spring, and a front end thereof contacts with the chassis.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: STRUCTURE PREVENT VIBRATION TRAY DISC DRIVE

DERWENT-CLASS: T03

EPI-CODES: T03-L;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